

Too telegraphic
make more personal

496

First Smithsonian-Bredin Caribbean Expedition

March - April 1956

86-foot auxiliary schooner Freelance

Captain Desmond V. Nicholson

Personnel

- J. Bruce Bredin, Wilmington, Delaware
Fenner A. Chace, Jr., Smithsonian Institution
J. F. Gates Clarke, Smithsonian Institution
Ernest N. May, Wilmington, Delaware
Waldo L. Schmitt, Smithsonian Institution
Albert C. Smith, Smithsonian Institution

Trinidad

Picked off rocks
in shallow water
same as of f.w.
Nicholson got shrimp
and 2 fish

Sta. 1-56. March 9; 8:00-10:00 A. M. Maracas Bay.

From Rocks at ^{west} end of beach. Low tide.

Schmitt & Chace.

surf was hokersome

Sta. 2-56. March 9; 8:00 - 10:00 A. M. Maracas Bay

River. ^{collected} Native fisherman.

Fresh water stream

Station 3-56. March 12, Trinidad Yacht Club. From

anchor chain. Schmitt.

here from
see st 1

Grenada

Sta. 4-56. March 14. Point Saline. Rocks at ^{From} ^{northeast} ~~NE~~ end

of first beach on lee coast. Schmitt &
Chace.

10-12

Sta. 5-56. March 14. Point Saline. First beach on lee

coast. Schmitt & Chace.

1:15 p.m.
coll. on rocky
reef bet ship
& yacht club.
goes with Sta. 6 & later

Sta. 6-56. March 14. Point Saline. Rocks at ^{southwest} ~~SW~~ end of first beach on lee coast. Schmitt & Chace.

Sta. 7-56. March 14. Grand Anse Beach, outside ~~SE~~ Saint Georges Harbour. Chace.

Sta. 8-56. March 14. Grand Anse Bay outside ~~SE~~ Saint Georges Harbour. From partially exposed conglomerate rock and coral ledge along shore. Schmitt & Chace.

Trans
"off shore"
was it not diving?
Sta. 9-56. March 14. Grand Anse Bay outside ~~SE~~ Saint Georges Harbour. Sublittoral. D. V. Nicholson.

Sta. 10-56. March 14. Grand Anse Bay outside ~~SE~~ Saint Georges Harbour. Dredged in ^{four meters} ~~8 fathoms~~. Schmitt & Nicholson.

Sta. 11-56. March 14. Outside Saint Georges Harbour. Gift of R. Cowan. *Tern III*

What was this?
Sta. 12-56. March 14. Saint Georges market. Parasites from red snappers. ^{purchased in market} D. V. Nicholson.

Carriacou Island (see also Sta. 19-56)

Sta. 13-56. March 15; 7:00-9:00 P. M. Tyrrell Bay. Light over side ~~at night~~. Schmitt & Nicholson.

Sta. 14-56. March 15; 9:00 P. M. Tyrrell Bay. Light over ^{meters} side of Tern III anchored about 50 yards from Freelance. D. V. Nicholson. (Large red sea-hares abundant here but not at Freelance.)

Sta. 15-56. March 16; 8:00-10:00 A. M. Tyrrell Bay. Submerged timbers from wreck near mangrove swamp. Schmitt & Nicholson.

inside reef
but mostly outside

Sta. 16-56. March 16; 10:00-11:30 A. M. Tyrrell Bay. Outer edge of exposed reef near anchorage (chiefly dead Pocillopora). Schmitt.

Sta. 17-56. March 16; 10:00-11:30 A. M. Sand flats inside reef. D. V. Nicholson.

Union Island (see also Sta. 20-56)

Sta. 18-56. March 16; 5:30 P. M. Off Rapid Point, Chatham Bay. Bredin.

Caught by
Wharf

Wellish
Strong winds {dragged his
anchors out

Carriacou Island (see also Sta. 13-56 to 17-56)

Sta. 19-56. March 16; 8:00-10:00 A. M. Tyrrell Bay. Mangroves on ^{north} ~~the~~ side of Bay. D. V. Nicholson.

Union Island (see also Sta. 18-56)

Sta. 20-56. March 17; 7:00 A. M. Chatham Bay. Bottom sample from ^{five meters} ~~3 fathoms~~. Schmitt.

Tobago Cays

Sta. 21-56. March 17; 11:00 A. M. - 1:00 P. M. ^{West} ~~E~~ (lee) side of Baradal. Under stones and in coral rock at low tide. Schmitt & Chace.

Island?

Sta. 22-56. March 17; 11:00 A. M. - 1:00 P. M. ^{West} ~~E~~ (lee) ^{one meter} side of Baradal. (In) coral rock from ~~3 feet~~. D. V. Nicholson.

From

Sta. 23-56. March 17; 11:00 A. M. - 1:00 P. M. ^{West} ~~W~~ (lee) ^{one meter.} side of Baradal. In sponges from ~~3~~ feet.

D. V. Nicholson.

Sta. 24-56. March 17; 1:00 P. M. ^{West} ~~W~~ (lee) side of Baradal. ^{one meter.} In loggerhead sponge from ~~3~~ feet. D. V.

Nicholson.

Sta. 25-56. March 17; 11:00 A. M. - 1:00 P. M. ^{West} ~~W~~ (lee) side of Baradal. In sand among coral rocks ^{one meter.} in ~~3~~ feet.

Sta. 26-56. March 18. Off reef at ~~SW~~ ^{Southwest} end of Petit Rameau.

From lobster trap set overnight. ^{by} Crew.

Sta. 27-56. March 18; 7:15 A. M. Anchorage ^{Southwest} ~~SW~~ of Petit Rameau. Bottom sample from ^{five meters.} ~~3~~ fathoms. Schmitt.

Mustique

Sta. 28-56. March 18; 3:30 P. M. Near middle of narrow part of island. Fiddler crabs numerous in damp sand paths between garden plots. Chace.

Sta. 29-56. March 18; 4:00 P. M. Freshwater pond back of beach below ~~owner's~~ ^{of owner of Mustique.} house. ~~D. V. Nicholson.~~

Sta. 30-56. March 19. Off reef near anchorage, lee side of island. ^{set by} From fish trap. Crew. off.

Sta. 31-56. March 19; 8:00 A. M. Anchorage, lee side of island. Bottom sample from ^{five meters.} ~~3~~ fathoms. Schmitt.

Sta. 32-56. March 19; 9:30 A. M. Beach near anchorage, lee side of island. Seine haul. Schmitt, Chace, & Nicholson.

From

Nicholson
got 2 Callinassus

2 spring lobsters
fish, crabs & squirrel

Bostonians live in
beans, long Islanders
on the sound.

house of
owner of island

Sta. 33-56. March 19; 8:30 A. M. Near anchorage, lee side of island. Dredge hauls. Schmitt, Nicholson, & crew.

Sta. 34-56. March 19; 8:30-10:30 A. M. Off coral reef along shore near anchorage, lee side of island.

(Sublittoral). D. V. Nicholson.

Sta. 35-56. March 19; 10:30 A. M. Reef along shore near anchorage, lee side of island. From loggerhead sponge. E. Maingot.

Arr. Bogu at 3:30 p.m.
Left at 6 p.m.

Saint Lucia Island

Sta. 36-56. March 20; 11:30 A. M. Soufrière Bay. Bottom sample from ^{22 meters.} ~~12 fathoms~~. Schmitt.

Sta. 37-56. March 21; 7:00 A. M. Port Castries ^{northwest} ~~NE~~ of harbormaster's office. Bottom sample from ^{seven meters.} ~~4 fathoms~~. Schmitt.

Sta. 38-56. March 21; 11:30 A. M. Marigot Harbour outside lagoon. Seine hauls along shore. Schmitt, Chace, Nicholson, & crew.

Sta. 39-56. March 21; 12:00 M. Marigot Harbour inside lagoon. Seine haul along shore. Chace & crew.

Sta. 40-56. March 21; 12:30 P. M. Near Marigot Harbour. Under stones and debris on land. Schmitt.

Sta. 41-56. March 21; 1:00 P. M. Head of Marigot Harbour outside lagoon. Collected by diving in ^{two meters.} ~~6 feet~~. D. V. Nicholson. (Snapping shrimps associated with sea anemones.)

Sponge not reef/reef is merely locum
your book not mus(is) better

From

Put shrimps ahead of

Sta. 42-56. March 21; 2:30 P. M. Marigot Harbour at entrance
to lagoon. Bottom sample from ^{three meters.} ~~1 1/2 fathoms.~~

Schmitt.

Sta. 43-56. March 21; 6:30 P. M. Pigeon Island. Buried
in sand in surf. D. V. Nicholson.

Sta. 44-56. March 22; 7:00 A. M. Pigeon Island. Megalops
occurring in pink windrows along beach. Chace.

Sta. 45-56. March 22; 7:00 A. M. Between Pigeon Island and
main Island. ^{Fish rich} Seined ~~by~~ natives. Purchased from

Sta. 46-56. March 22. Pigeon Island. Purchased from
natives.

Sta. 47-56. March 22; 9:00-11:00 A. M. Reef off Pigeon
Island. Collected by diving in ^{one-half to three meters.} ~~4-10 feet.~~
D. V. Nicholson.

Sta. 48-56. March 22. Pigeon Island. Fish trap in ~~4~~ seven
^{meters.} fathoms. D. V. Nicholson.

Martinique

Sta. 49-56. March 24; 8:00 A. M. Baie de Fort-de-France.
Bottom sample from ^{seven meters} ~~4 fathoms~~ off the savannah.
Schmitt.

Sta. 50-56. March 24; 7:00-9:30 P. M. Baie de Fort-de-France.
Light over side. D. V. Nicholson.

Dominica

Sta. 51-56. March 25; 2:00 P. M. Off ^{South} ~~E.~~ end of island.
From intestine of wahoo. ^{caught by} Crew.

11.30 a.m.
Under way for
Fort de France

Why not harbor?

rocks off for
Dominica.
6:30-7 a.m.
Mar. 25-75

near Roseau

- Sta. 52-56. March 25; 5:30-6:00 P. M. Woodbridge Bay.
Dredged in ^{four meters.} ~~2 fathoms~~. D. V. Nicholson.
- Sta. 53-56. March 25; 7:00-9:00 P. M. Woodbridge Bay.
Light over side. Schmitt & Nicholson.
- Sta. 54-56. March 26; 8:00 A. M. Woodbridge Bay. Bottom
sample from ^{nine meters.} ~~5 fathoms~~. Schmitt.
- Sta. 55-56. March 26; 3:00-4:00 P. M. N. end of Woodbridge
Bay. From coral encrusted boulders. D. V.
Nicholson.
- Sta. 56-56. March 26; 5:00-5:30 P. M. Woodbridge Bay.
Collected by diving in ^{two meters} ~~6 feet~~ near dock.
D. V. Nicholson.
- Sta. 57-56. March 26. Fresh Water Lake. From bromeliads. ^{at}
Clarke.
- Sta. 58-56. March 27; 5:00 P. M. Woodbridge Bay. Col-
lected by diving in ^{four meters.} ~~2 fathoms~~. D. V. Nicholson.
- Sta. 59-56. March 28; 9:25 A. M. Off Layou River. Bottom
sample from ^{11 meters.} ~~6 fathoms~~.
- Sta. 60-56. March 28; 12:00-12:30 P. M. Prince Rupert Bay.
Dredged in ^{27-40 meters.} ~~15-22 fathoms~~.
- Sta. 61-56. March 28; 2:30-3:00 P. M. Prince Rupert Bay.
Dredged in ^{11-27 meters.} ~~6-15 fathoms~~.
- Sta. 62-56. March 28; 4:00-5:00 P. M. North end of Prince
Rupert Bay. From coral encrusted rocks in
^{one and one-half meters.} ~~5 feet~~. D. V. Nicholson.

Schmitt
lost off
Want no collectors.

Sta. 63-56. March 28. West Cabrit, Prince Rupert Bay.

Clarke.

Sta. 64-56. March 28; 8:45-9:30 P. M. Prince Rupert Bay.

Light over side at anchorage in ^{seven meters.} ~~4 fathoms.~~

D. V. Nicholson.

Sta. 65-56. March 29; 6:40 A. M. Prince Rupert Bay.

Bottom sample from ^{seven meters.} ~~4 fathoms.~~ Schmitt.

Guadeloupe

Sta. 66-56. March 29; 3:30 P. M. Off Pointe de La Verdure,

southeast of Pointe-à-Pitre. Dredged in ¹⁸ ~~10~~
meters.
fathoms.

Sta. 67-56. March 29; 7:00-9:00 P. M. Pointe-à-Pitre.

Light over side at anchorage in ^{five and one-half meters.} ~~3 fathoms.~~

D. V. Nicholson.

Sta. 68-56. March 30-31; 9:30 A. M. - 1:00 P. M. Pointe-

à-Pitre. Sandy mud flats between Îlet à
Monroux and Îlet Rat. Chace & Nicholson,

Sta. 69-56. March 30-31; 9:30 A. M. - 1:00 P. M. Îlet

Rat, off Pointe-à-Pitre. From exposed reef
and submerged weedy rocks. Schmitt.

Sta. 70-56. March 31; 12:30-2:00 P. M. Pointe-à-Pitre.

Dead coral flat east of Îlet à Cochons.

Chace, Nicholson, and crew.

Island

Antigua, (see also Sta. 93-56 to 95-56)

Sta. 71-56. April 1; 12:00 M. "South Bank," ^{28 Kilometers} ~~15 mi.~~

southeast of English Harbour. ^{start} Caranx lugubris

taken on hook and line in ^{73 meters.} ~~40 fathoms.~~ on

in hand

From

Hill

From
also a bottom
sample
From
anchorage?

Coll. reef
2nd time 10-20m.

Sta. 72-56. April 2, 4, 8; 10:00 A. M. English Harbour.

Along dockyard sea wall. D. V. Nicholson.

Sta. 73-56. April 2; 1:00-6:00 P. M. Charlotte Point

(= Nutting's "Rocky Point"), English Harbour.

Schmitt, Chace, Nicholson, & crew.

Sta. 74-56. April 3; 2:30-3:30 P. M. Tank Bay, English

Harbour. Seine hauls on mud bottom; ^{and from} under

rocks and oyster bar; along beach. Schmitt;

Chace, Nicholson, & crew.

Sta. 75-56. April 3; 3:30-5:00 P. M. Freeman's Bay, English

Harbour. From seine hauls and diving in

shallow water. Schmitt, Chace, Nicholson,

& crew.

Sta. 76-56. April 4; 8:00 A. M. English Harbour. Medusae

(few with hyperiid amphipods, most without)

numerous along dockyard sea wall. Chace &

Nicholson.

Sta. 77-56. April 4; 12:30 P. M. English Harbour, From

ship fender along dockyard sea wall.

Sta. 778-56. April 4; 3:00 P. M. English Harbour. Dredged

^{five and one-half meters.}
in ~~3~~ fathoms.

Sta. 79-56. April 4; 3:30 P. M. Outside English Harbour.

^{seven meters.}
Dredged in ~~4~~ fathoms.

Sta. 80-56. April 4; 4:00 P. M. English Harbour. From

wreck of iron ship Ordnance Bay.

reef +
shallow water coll
all afternoon.

[also collections
from under
bracket additions]

Sta. 81-56. April 4; 3:45 P. M. Commissioner's Bay,
English Harbour. From fragment of wooden
piling.

Sta. 82-56. April 4; 4:30-5:15 P. M. English Harbour.
From bottom of yacht Native Dancer anchored
in Harbour for several months. D. V. Nichol-
son.

Sta. 83-56. April 4, 8, 9; 8:30-9:30 P. M. English Harbour.
Collected with flashlight along dockyard sea
wall. Chace & Nicholson.

got lot of
stenomys.
+ 2 lge druids
+ sponges

Barbuda

Sta. 84-56. April 5; 7:00-8:30 P. M. Off Oyster Pond Landing,
west side of island. Light over side at
five and one-half meters.
anchorage in ~~3~~ fathoms. D. V. Nicholson.

Sta. 85-56. April 6; 9:30^{A.M.}-12:00^A M. West shore of lagoon
near Oyster Pond Landing. Schmitt, Chace,
Nicholson, & crew.

Sta. 86-56. April 6; 10:00 A. M. Near Oyster Pond. Clarke.

Sta. 87-56. April 6; 3:30 P. M. Near east shore of lagoon.
Mud and coral flat. D. V. Nicholson.

Sta. 88-56. April 6; 4:00 P. M. Lagoon. Taken with lobsters
from native fagot pile.

Sta. 89-56. April 6. Near lagoon. Chace & Clarke.

Sta. 90-56. April 6; 8:30-9:30 P. M. Off Oyster Pond
Landing. Light over side at anchorage in
five and one-half meters.
~~3~~ fathoms. D. V. Nicholson.

What?

What

Sta. 91-56. April 7; 6:30 A. M. Off Oyster Pond Landing.
 Bottom sample from ^{five and one-half meters} ~~3 fathoms~~ at anchorage.

Schmitt.

Sta. 92-56. April 7; 11:30^{A.M.}-12:00 ^{off} ~~M.~~ Martello Tower,
 south coast of island. Offshore reefs.

Schmitt, Chace, & Nicholson.

Island

Antigua_A (see also Sta. 71-56 to 83-56)

Sta. 93-56. April 8; 12:15 P. M. Off Great Bird Island.

Parasites (?) from flesh, especially above
 eye, of Caranx latus caught trolling in ¹⁶ ~~8~~
^{meters.}
 fathoms.

Sta. 94-56. April 9; 5:00 P. M. English Harbour. From
 bottom of yacht Mercy Marsden docked in
 Harbour for two or ^{more} ~~three~~ years. D. V. Nichol-
 son.

Sta. 95-56. April 9; 6:00 P. M. English Harbour. E.
 Staniland.

Redonda

Sta. 96-56. April 10; 3:00-5:00 P. M. Lee side of island.

From Among wave-lashed rocks. Schmitt.

Sta. 97-56. April 10; 3:00-5:00 P. M. Off lee side of
 island. Fish caught on bottom in ^{73 meters.} ~~40 fathoms.~~

Nevis (see also Sta. 105-56)

Sta. 98-56. April 11. Charlestown. Bought from fishermen.

Sta. 99-56. April 11; 2:00-3:00 P. M. Charlestown. Col-
lected at surface and by diving to bottom in
five meters
~~16 feet~~ at anchorage. D. V. Nicholson.

Sta. 100-56. April 11; 3:00 P. M. Charlestown. Bottom
seven meters
sample from ~~4 fathoms~~ at anchorage. Schmitt.

Sta. 101-56. April 11. Charlestown. Bought from native.

Saint Christopher

Sta. 102-56. April 12; 1:30 P. M. Windward beach opposite
Frigate Bay. D. V. Nicholson.

Sta. 103-56. April 12; 1:30-3:30 P. M. Windward beach
opposite Frigate Bay. Coral reef, just off
shore. Schmitt, Chace, & Nicholson.

Sta. 104-56. April 12; 8:00-8:45 P. M. Basseterre. Light
seven meters.
over side at anchorage in ~~4 fathoms~~. D. V.
Nicholson.

Nevis (see also Sta. 98-56 to 101-56)

Sta. 105-56. April 11; 11:00 A. M. Nevis Peak. From
600 meters.
bromeliads at ~~2,000 feet~~. Clarke.

Saba Bank

Sta. 106-56. April 13; 5:30-6:30 P. M. Dredged in *13 meters*
~~7 fathoms~~
at 17° 28' N., 63° 13' W.

Sta. 107-56. April 13; 7:00-8:30 P. M. Light over side, in
13 meters.
~~7 fathoms~~. D. V. Nicholson.

Depth

Sta. 108-56. April 13; 9:30-10:45 P. M. Six mi. NW by $\frac{1}{2}$ N
from Sta. 106-56. Light over side in ~~30~~ 55
meters.
fathoms. D. V. Nicholson. *Dep B*

Virgin ~~Islands~~ Gorda

Sta. 109-56. April 14; 6:00 P. M. ~~Gorda Sound~~ Off Vixen
Point, Prickly Pear Island. Bottom sample
15 meters
from ~~8 fathoms~~ at anchorage. Schmitt.

Sta. 110-56. April 14; 8:00-8:30 P. M. ~~Gorda Sound~~ Off
Vixen Point, Prickly Pear Island. Light
15 meters.
over side at anchorage in ~~8 fathoms~~. D. V.
Nicholson.

Sta. 111-56. April 15; 7:45 A. M. & 5:30-6:30 P. M. Vixen
Point, Prickly Pear Island. Along beach with
much Pocillopora. Schmitt, Chace, & Nicholson.

Sta. 112-56. April 15; 9:30-11:30 A. M. Colquhoun Reef at
entrance to ~~Gorda~~ *North* Sound. Schmitt, Chace, &
Nicholson.

Sta. 113-56. April 15; 10:30-11:30 A. M. Northeast end of
Mosquito Island. Along shore. D. V. Nichol-
son.

Sta. 114-56. April 15; 4:30 P. M. ~~Gorda Sound~~ *Off Vixen Point, Prickly Pear Island.*
Caught on
15 meters.
hook and line at anchorage in ~~8 fathoms~~. Crew.

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## Tortola

Sta. 115-56. April 16-17; 8:00-8:45 P. M. Road <sup>Harbor.</sup>~~Bay, Tortola.~~  
 Light over side at anchorage in <sup>11 meters</sup>~~6 fathoms~~.

D. V. Nicholson.

Sta. 116-56. April 17; 8:20 A. M. Road <sup>Harbor.</sup>~~Bay, Tortola.~~  
 Bottom sample from <sup>nine meters</sup>~~5 fathoms~~ at anchorage  
 off administrator's house. Schmitt.

Sta. 117-56. April 17; 2:00-4:00 P. M. Reef off Burt Point,  
 Road <sup>Harbor.</sup>~~Bay, Tortola.~~ Schmitt, Chace, & Nicholson.

From